DRAFT TENDER SCHEDULE (DTS)

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI Sub-Division

Draft Tender Schedule(DTS)

Name of work:Comprehensive development of bad roads and improvements to road side drain, footpaths, Asphalting and concreting including culvert selected main and other connecting roads of package No.1 in ward No.14, Bagalagunte of Dasarahalli Division in Dasrahalli zone Comprising of 8 works as indicated in Sl No. 122, 123, 124, 125, 126, 127, 128 & 129

Notification Number

Tender form issued to Sri..... Class Registration number.....

Sl No	Description of Work	Unit	Quantity as per Estimate	Rates in Rs.		Amount in Rs.
				In Figures	In Words	
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)	Sqm	11448.60	111.30	Rupees One Hundred Eleven And Paise Thirty Only	1274229.18
2	Removing and resetting of kerb stones	m	532.00	104.94	Rupees One Hundred Four And Paise Ninety Four Only	55828.08
3	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	6575.98	241.64	Rupees Two Hundred Forty One And Paise Sixty Four Only	1589002.82
4	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.	Cum	1377.78	5505.64	Rupees Five Thousand Five Hundred Five And Paise Sixty Four Only	7585533.15
5	Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200	tonne	100.17	65046.90	Rupees Sixty Five Thousand Forty Six And Paise Ninety Only	6515747.97
6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH spec No. 1500,700,2200. including cost of materials, labour, HOM complete as per spec.	Cum	1578.87	7070.20	Rupees Seven Thousand Seventy And Paise Twenty Only	11162926.67
7	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete.					
	7.5cm thick	Sqm	5823.00	742.00	Rupees Seven Hundred Forty Two Only	4320666.00
	10cm thick	Sqm	52.00	966.72	Rupees Nine Hundred Sixty Six And Paise Seventy Two Only	50269.44
8	Providing and laying 100mm thick pre-cast cover slabs over drains of width not exceeding 800 mm using M20 concrete reinforced with steel @ 6.00kg/Sqm, slabs jointed in CM 1:3 proportion and nicely finished includingproviding holes in the Cover slabs wherever necessary for easy drainageof surface water including of labour, materials, HOM, curing, lead and lift charges etc, Complete as per MORTH specifications No. 1500,1700.	Sqm	3805.80	1145.86	Rupees One Thousand One Hundred Forty Five And Paise Eighty Six Only	4360913.99

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ಅಂಗೀಕರಿಸಿದವರು

Sl No	Description of Work	Unit	Quantity as per Estimate	Rates in Rs.		Amount in Rs.
				In Figures	In Words	
9	Providing and laying Pre Cast Drain Cover slabs of 250mm thick of mix M20 using graded granite jelly 20mm down size with steel reinforcement, including from work, lift charges, curing and concrete finished surfaces on both side etc. complete and as per drawing and direction of Engineer-in-charge of work (data Rate enclosed)	Sqm	523.53	3306.00	Rupees Three Thousand Three Hundred Six Only	**1730790.18**
10	Providing and fixing Pre cast solid concrete kerb stones of size 450 x 200 x 400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete.	Nos	11304	477.00	Rupees Four Hundred Seventy Seven Only	**5392227.42**
11	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per spec. MORTH Chap 8.	Sqm	2335.50	84.80	Rupees Eighty Four And Paise Eighty Only	**198050.40**
12	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications. MORTH I Chapter 3	Sqm	49006.80	41.34	Rupees Forty One And Paise Thirty Four Only	**2025941.11**
	Leading charges for Scarified quantity	cum	3920.54	43.42	Rupees Forty Three And Paise Forty Two Only	**170220.61**
13	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 25.00 km and complete as per specifications.	Cum	28068.50	86.88	Rupees Eighty Six And Paise Eighty Eight Only	**2438523.92**
14	Providing and filling Stone Dust in trenches to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.	Cum	3447.36	1461.79	Rupees One Thousand Four Hundred Sixty One And Paise Seventy Nine Only	**5039326.72**
15	Construction of embankment with approved material Cum Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel I murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305	Cum	3342.76	385.46	Rupees Three Hundred Eighty Five And Paise Forty Six Only	**1288498.34**
16	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, soparation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications.	Cum	479.57	5210.96	Rupees Five Thousand Two Hundred Ten And Paise Ninety Six Only	**2498994.03**

nil. nil.

Sl No	Description of Work	Unit	Quantity as per Estimate	Rates in Rs.		Amount in Rs.
				In Figures	In Words	
17	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregatesof granite/trap/basalt material, mixing by mix in place method by rotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.	Cum	6882.20	1855.00	Rupees One Thousand Eight Hundred Fifty Five Only	12766485.64
18	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum	12626.42	2001.28	Rupees Two Thousand One And Paise Twenty Eight Only	25269001.82
19	Cleaning the existing black topped surface with Sqm brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications. Clause 501 of MORTH V revision	Cum	11365.00	5.30	Rupees Five And Paise Thirty Only	60234.50
20	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.Clause 502 of MORTH V revision	Sqm	57240.35	29.68	Rupees Twenty Nine And Paise Sixty Eight Only	1698893.59
21	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading; premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and ialignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-ll (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	2863.09	6407.70	Rupees Six Thousand Four Hundred Seven And Paise Seventy Only	18345821.79
22	Providing and applying tack coat using 80/100 grade Sqm bitumen(VGlO) in boiler fitted with spray set distributor at the rate of 0.25 kg per sqm on the existing prepared bituminous surface (primed surface) cleaned with mechanical broom, complete as per specifications. Clause 503 of MORTH V revision	Sqm	57261.80	12.72	Rupees Twelve And Paise Seventy Two Only	728370.10
23	Providing and laying bituminous concrete 40mm thick with hot mix plant, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015.	Cum	1717.43	7537.66	Rupees Seven Thousand Five Hundred Thirty Seven And Paise Sixty Six Only	12945403.41
24	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	2417.80 Nill	454.74	Rupees Four Hundred Fifty Four And Paise Seventy Four Only	1099470.37

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Sl No	Description of Work	Unit	Quantity as per Estimate	Rates in Rs.		Amount in Rs.
				In Figures	In Words	
25	0829 RCC pipes NP3 900 mm dia including collars	m	175.00	4383.73	Rupees Four Thousand Three Hundred Eighty Three And Paise Seventy Three Only	767151.95
26	0750 40 mm nominal size of Coarse aggregate	Cum	70.00	1156.92	Rupees One Thousand One Hundred Fifty Six And Paise Ninety Two Only	80984.11
27	0772 Natural sand 5.6 to 75 micron	Cum	70.00	1781.81	Rupees One Thousand Seven Hundred Eighty One And Paise Eighty One Only	124726.49
					Total Construction Cost	131584233.80

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ಕಂಡಿಕೆ( )ರಲ್ಲಿ ವಿವರಿಸಿರುವ ಅಂಶಗಳ ಬಗ್ಗೆ
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ದೃಢೀಕರಿಸಿಕೊಳ್ಳುವ ಪಡತ್ತಿಗೆ ಬಳಸಬೇಕಿಸಿ ಡಿ.ಬಿ.ಎಸ್
ಅನುಮೋದಿಸಿದೆ.
ರದ್ದು ಬೆಂಜರ್ ವೆಚ್ಚಗಳನ್ನು ಪಾವತಿ ಮಾಡದಂತೆ
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ಮೇಲ್ಕಿ ಅಭಿಯಂತರರು (ದಾಸರಹಳ್ಳಿ)

14/9/2020

Executive Engineer
Dasarahalli
BBMP - Bangalore